International application No.

PCT/JP2004/017542

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A CLASSIFICA	ATION OF SUBJECT MATTER C12Q1/68, C12N15/09		•
. THE OT	07587,001 075870103		
According to Inter	rnational Patent Classification (IPC) or to both national	classification and IPC	
B. FIELDS SEA	NRCHED		
Minimum docume	entation searched (classification system followed by clastication control of the	ssification symbols)	
Tut.CI.	CT58T100-10' CT5MT3100-30	•	
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Documentation se	carched other than minimum documentation to the exter	at that such documents are included in the	e fields searched
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Blacten-i- 1-1	ase consulted during the international search (name of d	ata base and, where practicable second to	rms used)
JICST E	ase consulted during the international search (name of d FILE (JOIS), PubMed/BIOSIS/WPI (S	TN)	
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X	X.Chen et al., Telomerase RNA	as a Detection	1
	Marker in Serum of Breast Can Clinical Cancer Research, 200	ncer Patients,	
	to 3826	, <u>-, pagod</u> - 044	
x	N. Funaki et al.,	•	2
^	QUANTITATIVE ANALYSIS OF ALPH		-
	IN CIRCULATING PERIPHERAL BLO WITH HEPATOCELLULAR AND ALPHA	OOD OF PATIENTS	
	PRODUCTING GASTRIC CARCINOMAS	S, Life Science,	
	1998, 62(21), pages 1973 to 1	1.984	
. х	Shin TAKEDA et al., "Gan no B	lunshi Shindangaku	2
	- Kokomade Susunda Shindan· C 5. Kangan ni okeru Idenshi Sh	Chiryo eno Oyo -	ľ
!	Nichigai Kaishi, 2002, 103(6)	, pages 472 to 475	
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	ocuments are listed in the continuation of Box C.	See patent family annex.	
"A" document defining the general state of the art which is not considered		"T" later document published after the int date and not in conflict with the applic the principle or theory underlying the i	cation but cited to understand
·	ication or patent but published on or after the international	"X" document of particular relevance; the considered novel or cannot be consi	claimed invention cannot be
"L" document v	which may throw doubts on priority claim(s) or which is	step when the document is taken alone	e
special reaso	ablish the publication date of another citation or other on (as specified)	"Y" document of particular relevance; the considered to involve an inventive combined with one or more other such	step when the document is
"P" document p	eferring to an oral disclosure, use, exhibition or other means ublished prior to the international filing date but later than	combined with one or more other such being obvious to a person skilled in the	ne art
	date claimed	"&" document member of the same patent	iamily
		Date of mailing of the international sea	rch report
0.7 Feb.	ruary, 2005 (07.02.05)	22 February, 2005	(£2.U2.U5)
	ng address of the ISA/	Authorized officer	
Japanese Patent Office			
Facsimile No.	10 (second sheet) (January 2004)	Telephone No.	
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C (Continuation)). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	S.Kyo et al., HUMAN TELOMERASE REVERSE TRANSCRIPTASE AS A CRITICAL DETERMINANT OF TELOMERASE ACTIVITY IN NORMAL AND MALIGNANT ENDOMETRIAL TISSUES, Int.J.Cancer, 1999, 80, pages 60 to 63	
A ·	M.Takakura et al., Expression of Human Telomerase Subunits and Correlation with Telomerase Activity in Cervical Cancer, CANCER RESEARCH, 1998, 58, pages 1558 to 1561	1
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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: 1. Claims Nos.: 1 and 2, specifically parts thereof because they relate to subject matter not required to be searched by this Authority, namely: Claims 1 and 2 pertain to diagnostic methods to be practiced on the human body and thus relate to a subject matter which this International Searching Authority is not required, under the provisions of Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search. Claims Nos.: 1 and 2, specifically parts thereof because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Whether the invention of claims 1 and 2 is directed to a method of detecting cancer or method of diagnosing cancer from a blood sample in accordance with the RT-PCR method is unclear. With respect to the unclear description, search has been carried out interpreting it as meaning the "method of detecting cancer". Claims Nos.: Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Par No. IVI Observations where unity of invention is lasting (Continuation of item 3 of first sheet)
Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows: The technical matter common to claim 1 and claim 2 is a method of detecting a tumor marker gene through performing of RT-PCR with respect to an RNA sample obtained from a body fluid. However, this common matter is publicly known as described in, for example, the following literature. Therefore, claim 1 and claim 2 cannot be stated as sharing a special technical feature, so that this invention group cannot be stated as being a group of inventions linked with each other so as to form a single general inventive concept.
Clinical Cancer Research. 2000 Oct; 6:3823-3826.
1. X As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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Claims 1 and 2

Whether the invention of these claims is directed to a method of detecting cancer or method of diagnosing cancer from a blood sample in accordance with the RT-PCR method is unclear.

With respect to the unclear description, search has been carried out interpreting it as meaning the "method of detecting cancer".